## PATENT COOPERATION TREATY

From the

INTERNATIONAL.	CEARCITRIC	AUTHODITS
INTEKNATIONAL	SEARCHING	AUTHORITY

To: LEE, You	ng-Pil				PCT
The Cheonghwa Bldg. 1571-18 Seocho-dong, Seocho-gu Seoul 137-874 Republic of Korea		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				_,	(PCT Rule 43bis.1)
				Date of mailing (day/month/year) 31	MAY 2004 (31.05.2004)
Applicant's	or agent's fi	le reference			
HB-20863	•			FOR FURTHER ACTION  See paragraph 2 below	
1	al application		International filing date		Priority date(day/month/year)
	R2004/		26 APRIL 2004 (20		09 MAY 2003 (09.05.2003)
IPC7 H05		ssification (IPC)	or both national classificat	tion and IPC	
Applicant					
HANYA	NG HAK	WON CO., L	TD. et al		
B   B   B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B     B	Sox No. I Sox No. II Sox No. IV Sox No. IV Sox No. V	Basis of the opin Priority Non-establishm Lack of unity of Reasoned staten citations and exp Certain docume Certain defects	ent of opinion with regard of invention nent under Rule 43bis.1(a planations supporting such	t to novelty, inventive st (i) with regard to novel a statement	tep and industrial applicability  ity, inventive step or industrial applicability;
Internation other that opinions  If this op IPEA a voil of Form	and for interronal Prelimin this one to of this Interview of this Interview of the reply PCT/ISA/22	national prelimina nary Examining A be the IPEA and national Searchin provided above, co together, where a	Authority ("IPEA") except the chosen IPEA has noting Authority will not be so considered to be a written expropriate, with amendmental privation of 22 months from the control of the cont	that this does not apply fied the International Bu considered. opinion of the IPEA, the ents, before the expiration	sidered to be a written opinion of the where the applicant chooses an Authority ureau under Rule 66.1 bis(b) that written applicant is invited to submit to the on of 3 months from the date of mailing chever expires later.
3. For furth	er details, se	e notes to Form F	PCT/ISA/220.		

Name and mailing address of the ISA/KR

6

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Authorized officer

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2004/000962

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in wirtten format
in computer readable form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additioanl copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/KR2004/000962

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Statement		
Novelty (N)	Claims 1	YES
	Claims	NO NO
Inventive step (IS)	Claims 1	YES
	Claims	NO
Industrial applicability (IA)	Claims 1	YES
	Claims	NO

2. Citations and explanations:

The following documents are referred:

D1: KR 2001-60200 A D2: US 6140773 A

- 1. D1 discloses a plasma generating device in which the working electrode is located near the gas inlet, and the ground electrodes near the emission hole.
- D2 discloses a plasma source array in which several sources are mounted in parallel. Accordingly, the subject-matter of Claims 1-4 is considered to be novel (Article 33(2) PCT).
- 2. The closest state of the art appears to be represented by D1. Regarding the independent Claim 1, the technical concept advanced over D1 is the multiple dielectric walls. Said walls separate the cavity into several channels, and make it possible for the gas to flow through said channels. Neither D1 nor D2 suggests those such channels for gas flow. Thus, Claim 1 involves an inventive step and meets the requirement of Article 33(3) PCT.
- 3. The industrial applicability of said subject-matters is self evident.